

Abstract:

Pressure Control Device

The invention relates to a pressure control device for varying the brake pressure in at least one wheel brake (3) of a vehicle, which includes at least one inlet valve and one outlet valve (1, 2) for the variation of the brake pressure, comprising a brake pressure channel (4) which connects a pressure fluid source (8) to the wheel brake (3) and in which the inlet valve (1) is mounted, as well as a return channel (5) which connects to the brake pressure channel (4) between the inlet valve (1) and the wheel brake (3) and in which the outlet valve is mounted (2), with the return channel (5) being connected either to a low-pressure accumulator (6) or an unpressurized supply tank. In a brake pressure control phase in which the brake pressure in the wheel brake (3) shall be increased, both the inlet valve and the outlet valve (1, 2) are opened for noise reduction, while during the time of opening of the inlet valve (1), the outlet valve (2) is opened for a length of time (t) that is shorter than the time of opening of the inlet valve (1).

(Figure 1)